

Anti-NETO1 Antibody (8A928)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8A928
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:1000-1:2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human NETO1 Protein (TMPY-01692)
Antigen Species:	Human
Synonyms:	BTCL1;BCTL1;neuropilin (NRP) and tolloid (TLL)-like 1

Research Background

Neuropilin tolloid-like 1 (NETO1), a complement C1r/C1s, Uegf, Bmp1 (CUB) domain-containing transmembrane protein, is a novel component of the NMDAR complex critical for maintaining the abundance of NR2A-containing NMDARs in the postsynaptic density. The N-methyl-D-aspartate receptor (NMDAR), a major excitatory ligand-gated ion channel in the central nervous system (CNS), is a principal mediator of synaptic plasticity. Both NETO1 and NETO2 share an identical and unique domain structure thus representing a novel subfamily of CUB- and LDLa-containing proteins. The cytoplasmic domains of NETO1 and NETO2 are not homologous to other known protein sequences but contain a conserved FXNPXY-like motif, which is essential for the internalization of clathrin-coated pits during endocytosis or may be implicated in intracellular signaling pathways. NETO1 and NETO2, have marked effects on receptor properties, increasing further the potential diversity of Kainate receptors (KARs) functional properties. NETO1 involves in the development and/or maintenance of neuronal circuitry. NETO1 regulates long-term NMDA receptor-dependent synaptic plasticity and cognition, at least in the context of spatial learning and memory.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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